



Health Science & Medical Technology

Introduction to Health Careers

This course is designed to expose students to the healthcare industry by surveying the wide spectrum of healthcare occupations and equipping them with the entry level knowledge and skills that apply to a variety of health occupations. This course is great to take before taking Medical Occupations or Nursing Careers because it gives students a solid foundation for understanding health science.

Course Length:
1 Year/1 Period
High School Credits: 10

Medical Occupations

Medical Occupations provides an introduction and broad exploration into several careers within the medical field including: Medical Assistant, Emergency Medicine, Veterinary Medicine, Dental Assistant/Hygienist, Geriatric Assistant, Physical Therapy, Surgical Technician and Nursing. Instruction is combined with a hands-on learning experience through instructor-approved clinical work-based learning placements at local medical facilities.

Course Length:
1 Year/2 Periods
High School Credits: 20

Nursing Careers

Nursing Careers offers a comprehensive introduction to the field of nursing while studying the care of patients and the role nurses provide in a variety of healthcare systems. Focus is given to the various specialties within the field and studies include a basic understanding of the systems of the body, medical terminology, diseases, basic patient care, taking vital signs, charting, medical ethics and understanding patient privacy laws. Instruction is combined with a hands-on learning experience through instructor approved work-based learning placements at local hospitals, clinics and physician offices.

Course Length:
1 Year/2 Periods
High School Credits: 20



For Students Interested In ...

Learning about careers in the field of healthcare and gaining practical experience through internships at hospitals or medical offices.



Our Classes



www.tvrop.org

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**Introduction to
Health Careers**



**Medical
Occupations**



Nursing Careers



UC a-g eligible * Articulated College Units * Earn Certifications



Tri-Valley Regional Occupational Program

“Careers by Choice, Not by Chance”



Health Science & Medical Technology

For Students Interested In ...

Exploring concepts of biology and medicine by taking on the role of a medical professional working to solve real-world problems.

Learning about careers such as athletic training, physical therapy, sports management, orthopedic medicine, and more.

Our Classes



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Principles of Biomedical Science

Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes.

Course Length:
1 Year/1 Period
High School Credits: 10

Sports Medicine - Athletic Trainer I

Sports Medicine - Athletic Trainer I is an exciting, growing field with employment opportunities in athletic training, sports medicine, and physical therapy. Class instruction encompasses the study of Anatomy, Physiology, Nutrition, Biology and Kinesiology to understand the aspects of the field. Through work-based learning placements, students apply skills learned in class to the prevention of injuries, the understanding of human body modalities and rehabilitation, the procedures of training rooms and the safety factors related to sports medicine.

Course Length:
1 Year/1 Period
High School Credits: 10



Sports Medicine II

This class provides a framework of advanced skills for understanding functional anatomy and kinesiology, building on the concepts of anatomy/physiology learned in Sports Medicine I. The lecture/lab format focuses on clinical hands-on learning, including evaluation, assessment treatment and events, assisting the Head Athletic Trainer or Team Physician, and working with other health care professionals.

Course Length:
1 Year/1 Period
High School Credits: 10



Health Science & Medical Technology



Principles of
Biomedical Science



Sports Medicine -
Athletic Trainer I



Sports Medicine II



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